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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Hooykaas et al.

**Serial No.:** 10/601,084

**Filed:** June 20, 2003

**For:** NUCLEIC ACID INTEGRATION IN  
EUKARYOTES

**Examiner:** J. Duntson, Ph.D.

**Group Art Unit:** 1636

**Attorney Docket No.:** 2183-6028US

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

5/21/07  
Date

Betty Vowles  
Signature

Betty Vowles  
Name (Type/Print)

**AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Responsive to the Notice of Non-Compliant Amendment (37 C.F.R. § 1.121) dated April 19, 2007, and to the Office Action mailed October 20, 2006, please amend the above-referenced application as follows:

**Amendments to the specification** begin on page 2 of this paper;

**Amendments to the claims** are set forth in the listing of the claims that begins on page 5 of this paper; and

**Remarks** start at page 9 of this paper.